

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT



<b>APPLICATION FOR PERMIT TO DRILL</b>						<b>1. WELL NAME and NUMBER</b> Virtus Lone Pine 34-11-5 #5				
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						<b>3. FIELD OR WILDCAT</b> WILDCAT				
<b>4. TYPE OF WELL</b> Oil Well Coalbed Methane Well: NO						<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>				
<b>6. NAME OF OPERATOR</b> VIRTUS OIL & GAS CORP						<b>7. OPERATOR PHONE</b> 281 806-5000				
<b>8. ADDRESS OF OPERATOR</b> 1517 San Jacinto St, Houston, TX, 77002						<b>9. OPERATOR E-MAIL</b> brett@virtusoilandgas.com				
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> UTU84126			<b>11. MINERAL OWNERSHIP</b> FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			<b>12. SURFACE OWNERSHIP</b> FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>				
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>				
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>						<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>				
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>			<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			<b>19. SLANT</b> VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>				

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	2249 FNL 976 FWL	SWNW	5	34.0 S	11.0 W	S
Top of Uppermost Producing Zone	2249 FNL 976 FWL	SWNW	5	34.0 S	11.0 W	S
At Total Depth	2249 FNL 976 FWL	SWNW	5	34.0 S	11.0 W	S

<b>21. COUNTY</b> IRON		<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 348		<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 1991	
		<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 5280		<b>26. PROPOSED DEPTH</b> MD: 7000 TVD: 7000	
<b>27. ELEVATION - GROUND LEVEL</b> 5367		<b>28. BOND NUMBER</b> UTB000670		<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> City of Enoch	

Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	20	16	0 - 40	45.0	Unknown	0.0	Unknown	0	0.0	0.0
SURF	12.25	9.625	0 - 600	36.0	J-55 ST&C	8.6	Varocem	115	2.273	12.5
							Varocem	85	1.81	13.5
PROD	8.75	5.5	0 - 7000	17.0	N-80 LT&C	8.8	Varocem	700	1.479	13.5

**ATTACHMENTS**

**VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES**

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

<b>NAME</b> Brett A Murray	<b>TITLE</b> Chief Operating Office	<b>PHONE</b> 281 806-5000
<b>SIGNATURE</b>	<b>DATE</b> 08/25/2015	<b>EMAIL</b> brett@virtusoilandgas.com
<b>API NUMBER ASSIGNED</b> 43021500020000		
<b>APPROVAL</b>  Permit Manager		

**VIRTUS OIL & GAS**  
**VIRTUS LONE PINE 34-11-5 #5**  
**SEC 5, T34S, R11W, S.L.B.&M.**

DATE:

DESCRIPTION:

[illegible]

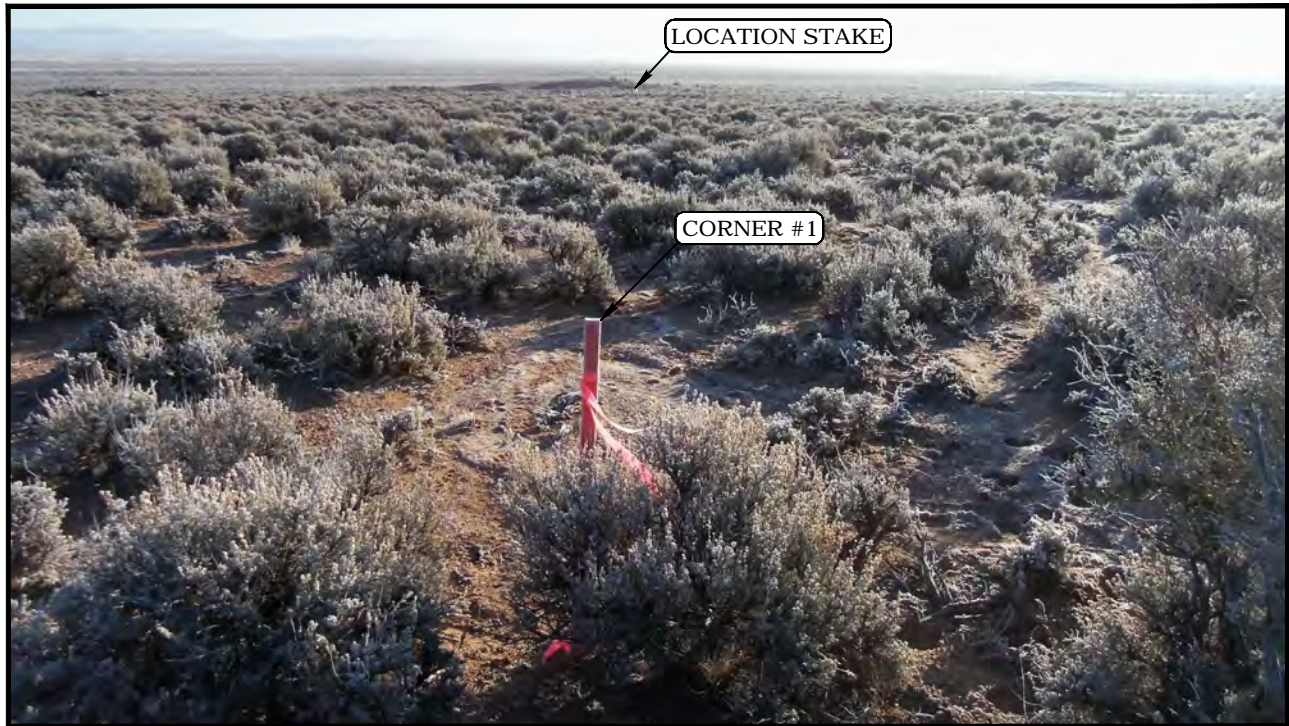


PHOTO: VIEW FROM CORNER #1 TO LOCATION STAKE

CAMERA ANGLE: WESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHERLY

## VIRTUS OIL & GAS

VIRTUS LONE PINE 34-11-5 #5  
SECTION 5, T34S, R11W, S.L.B.&M.  
2249' FNL 976' FWL



**UELS, LLC**  
Corporate Office \* 85 South 200 East  
Vernal, UT 84078 \* (435) 789-1017

DRAWN BY: C.B.

DATE DRAWN: 01-22-15

TAKEN BY: B.H.

REVISED: 06-15-15 J.M.C.

**LOCATION PHOTOS**

**PHOTO**

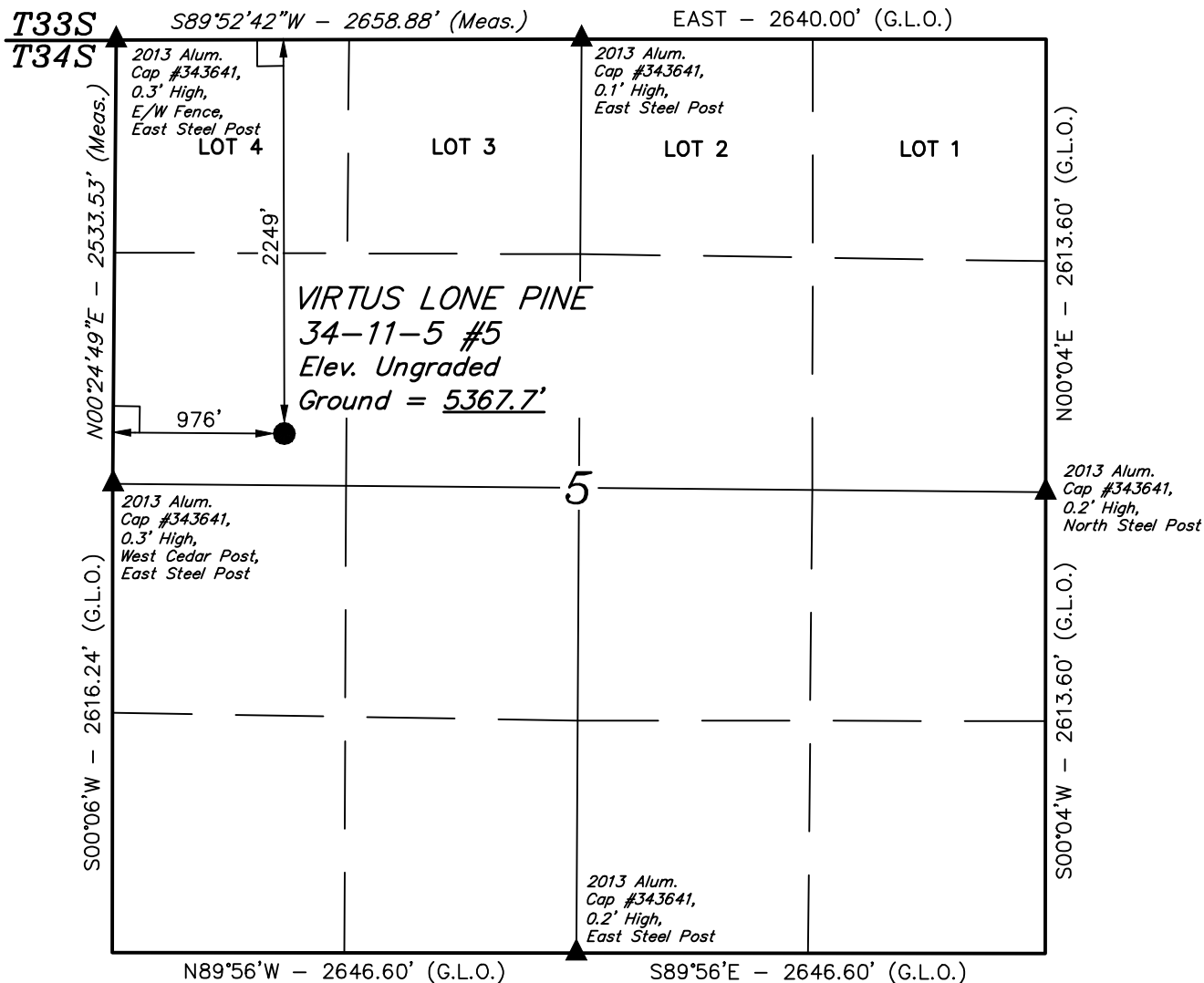


**LEGEND:**

└ = 90° SYMBOL

● = PROPOSED WELLHEAD.

▲ = SECTION CORNERS LOCATED.

*T34S, R11W, S.L.B.&M.***NAD 83 (SURFACE LOCATION)**

LATITUDE = 37°52'34.62" (37.876283)

LONGITUDE = 113°07'13.52" (113.120422)

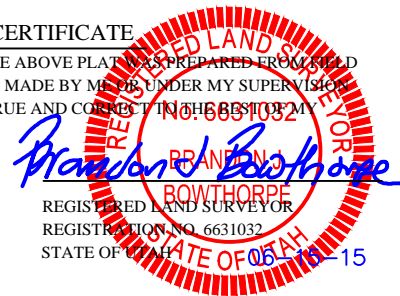
**NAD 27 (SURFACE LOCATION)**

LATITUDE = 37°52'34.71" (37.876308)

LONGITUDE = 113°07'10.69" (113.119636)

**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION, AND THAT THE SAME ARE TRUE AND CORRECT IN THE BEST OF MY KNOWLEDGE AND BELIEF.

**BASIS OF BEARINGS**

BASIS OF BEARINGS IS A G.P.S. OBSERVATION

**BASIS OF ELEVATION**

SPOT ELEVATION LOCATED AT THE NORTHEAST CORNER OF SECTION 31, T33S, R11W, S.L.B.&M., TAKEN FROM THE ENOCH NE QUADRANGLE, UTAH, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5352 FEET.

**VIRTUS OIL & GAS**

**VIRTUS LONE PINE 34-11-5 #5**  
**SECTION 5, T34S, R11W, S.L.B.&M.**  
**2249' FNL 976' FWL**

SURVEYED BY: B.H., J.L.

SURVEY DATE: 01-14-15

DRAWN BY: B.A.

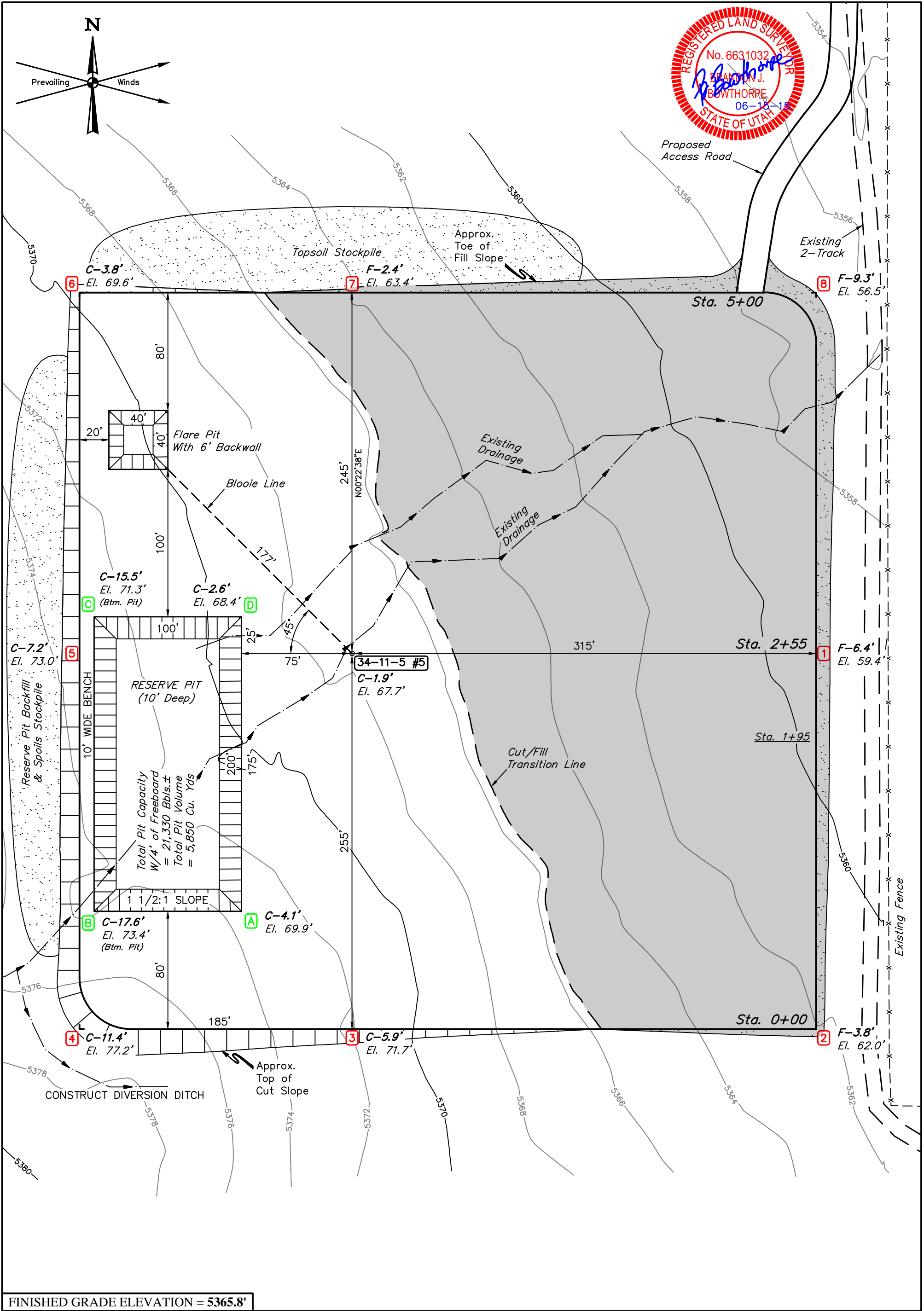
DATE DRAWN: 01-20-15

SCALE: 1" = 1000'

REVISED: 06-15-15 J.M.C.

**WELL LOCATION PLAT**

**UELS, LLC**  
 Corporate Office \* 85 South 200 East  
 Vernal, UT 84078 \* (435) 789-1017



FINISHED GRADE ELEVATION = 5365.8'

- NOTES:
- Round corners at 35' radius or as needed.
  - Construct diversion ditches as needed.
  - Contours shown at 2' intervals.
  - Flare pit is to be located a min. of 125' from the wellhead.

VIRTUS OIL & GAS

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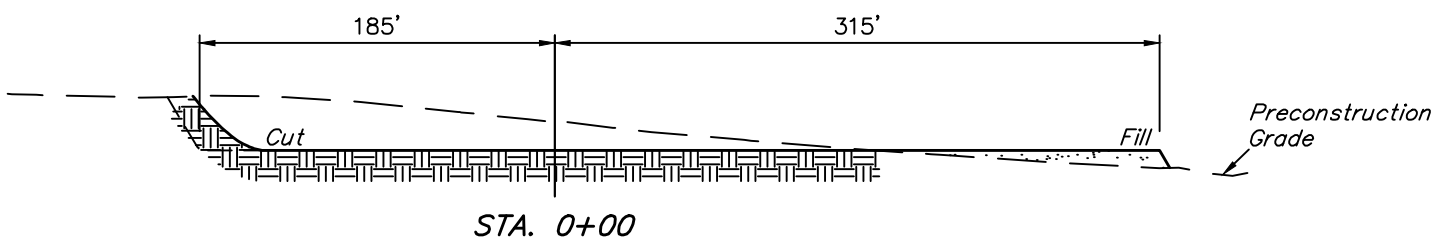
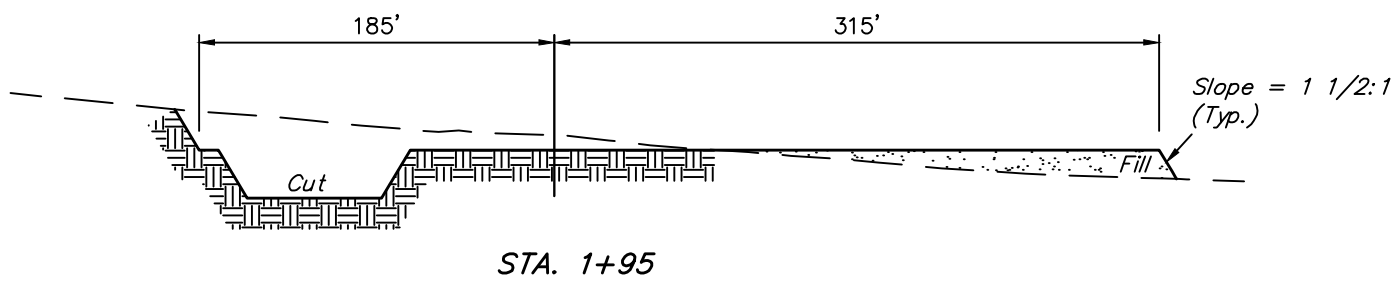
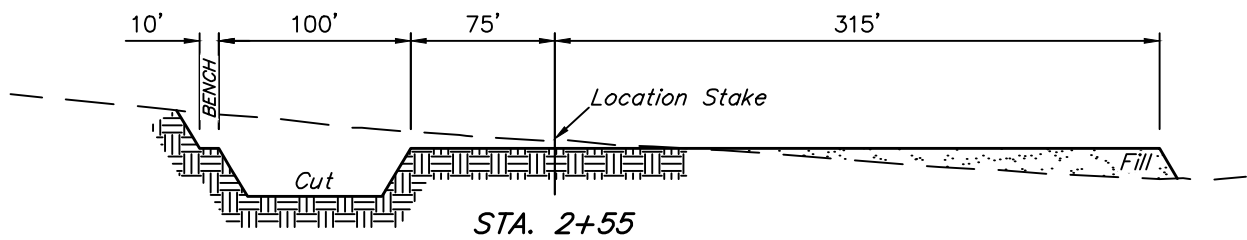
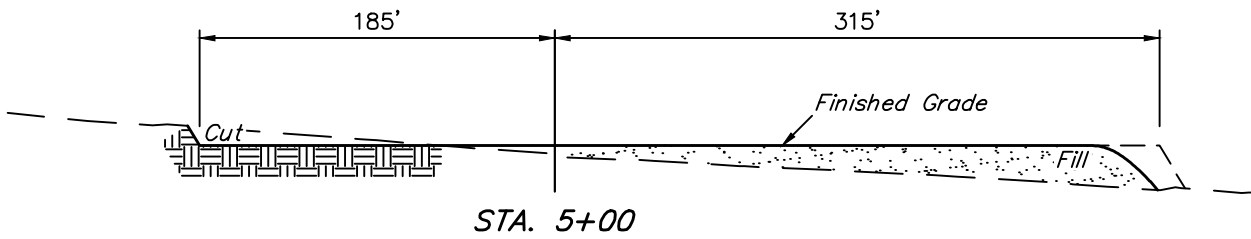
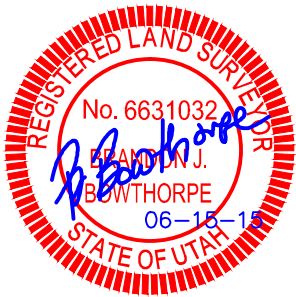
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DRAWN BY: B.A.	DATE DRAWN: 01-20-15
SCALE: 1" = 60'	REVISED: 06-15-15 J.M.C.

LOCATION LAYOUT

FIGURE #1

1" = 40'  
X-Section  
Scale  
1" = 100'



APPROXIMATE EARTHWORK QUANTITIES	
(6") TOPSOIL STRIPPING	4,950 Cu. Yds.
REMAINING LOCATION	23,940 Cu. Yds.
<b>TOTAL CUT</b>	<b>28,890 Cu. Yds.</b>
<b>FILL</b>	<b>21,010 Cu. Yds.</b>
EXCESS MATERIAL	7,880 Cu. Yds.
TOPSOIL & PIT BACKFILL (1/2 Pit Vol.)	7,880 Cu. Yds.
<b>EXCESS UNBALANCE</b> (After Interim Rehabilitation)	<b>0 Cu. Yds.</b>

APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	ACRES
WELL SITE DISTURBANCE	NA	±6.806
30' WIDE ACCESS ROAD R-O-W DISTURBANCE	±5783'	±3.983
<b>TOTAL SURFACE USE AREA</b>		<b>±10.789</b>

- NOTES:**
- Fill quantity includes 5% for compaction.
  - Calculations based on 6" of topsoil stripping.
  - Topsoil should not be stripped below finished grade on substructure area.

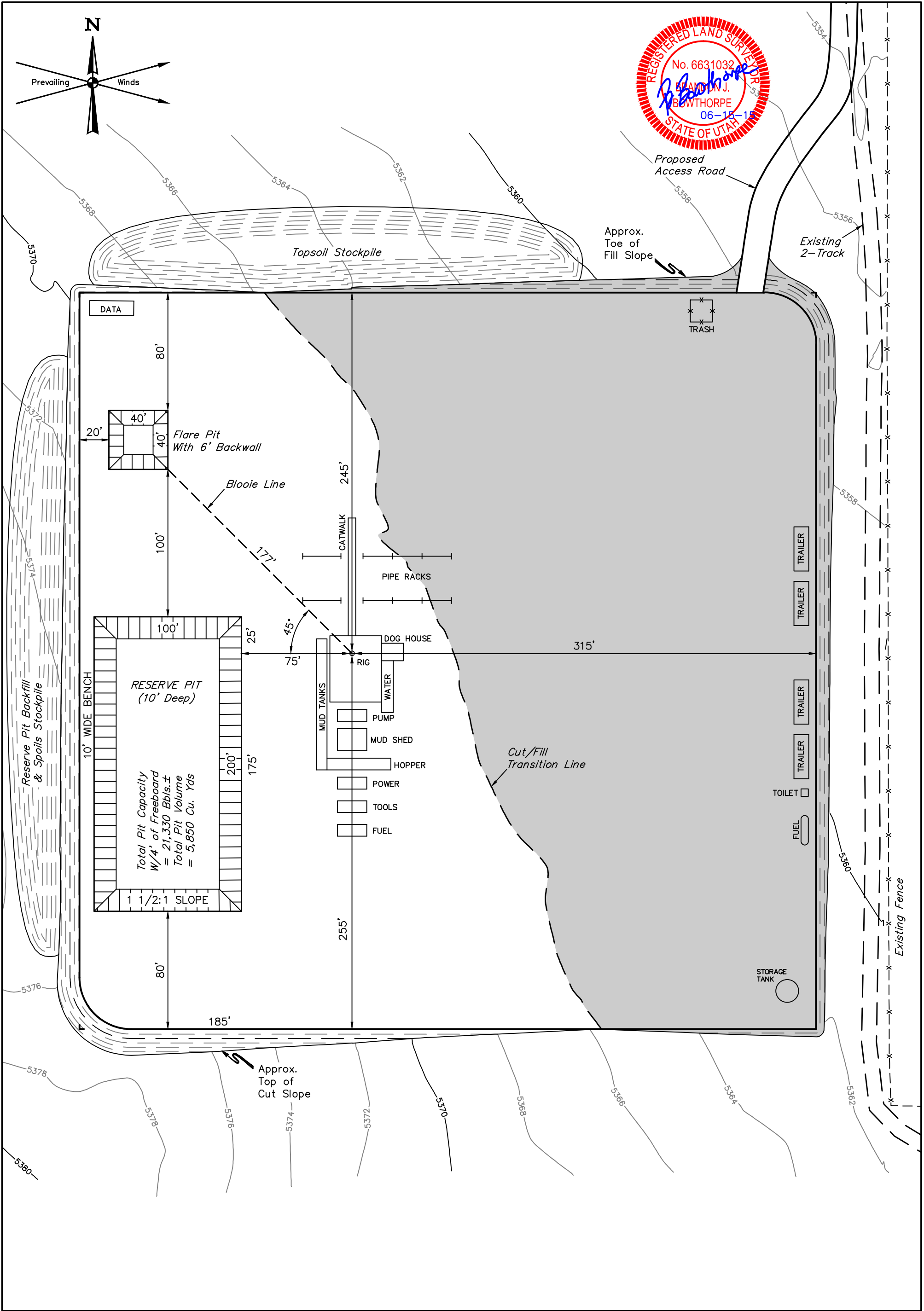
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SECTION 5, T34S, R11W, S.L.B.&M.  
2249' FNL 976' FWL**



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DRAWN BY: B.A.	DATE DRAWN: 01-20-15
SCALE: AS SHOWN	REVISED: 06-15-15 J.M.C.
<b>TYPICAL CROSS SECTIONS</b>	<b>FIGURE #2</b>



PROCEED IN A NORTHERLY DIRECTION FROM CEDAR CITY, UTAH ALONG I-15 FOR APPROXIMATELY 3.4 MILES TO EXIT 62, EXIT RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND HIGHWAY 130 TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY, THEN NORTHEASTERLY, THEN THEN NORTHERLY DIRECTION APPROXIMATELY 12.7 MILES TO THE JUNCTION OF THIS ROAD AND HORSE HOLLOW ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 5.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE SOUTH; FOLLOW ROAD FLAGS IN A SOUTHERLY DIRECTION APPROXIMATELY 5783' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM CEDAR CITY, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 22.7 MILES.

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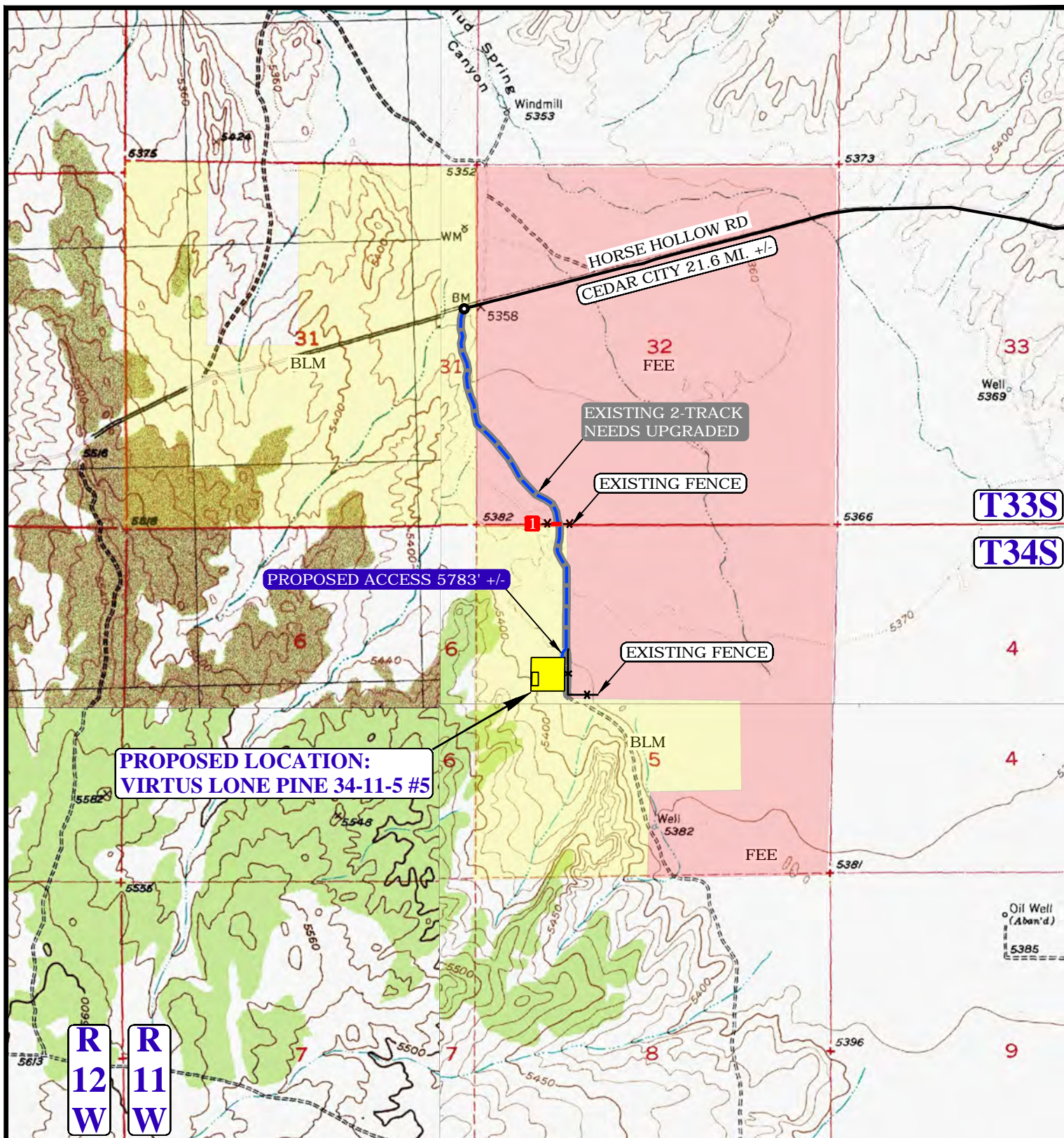
REVISED: 06-15-15 J.M.C.

## **ROAD DESCRIPTION**









NOTE: PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINTAH ENGINEERING AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

#### LEGEND:

- EXISTING ROAD
- PROPOSED ROAD
- EXISTING FENCE
- EXISTING 2-TRACK NEEDS UPGRADED
- 1 CATTLE GAURD REQUIRED



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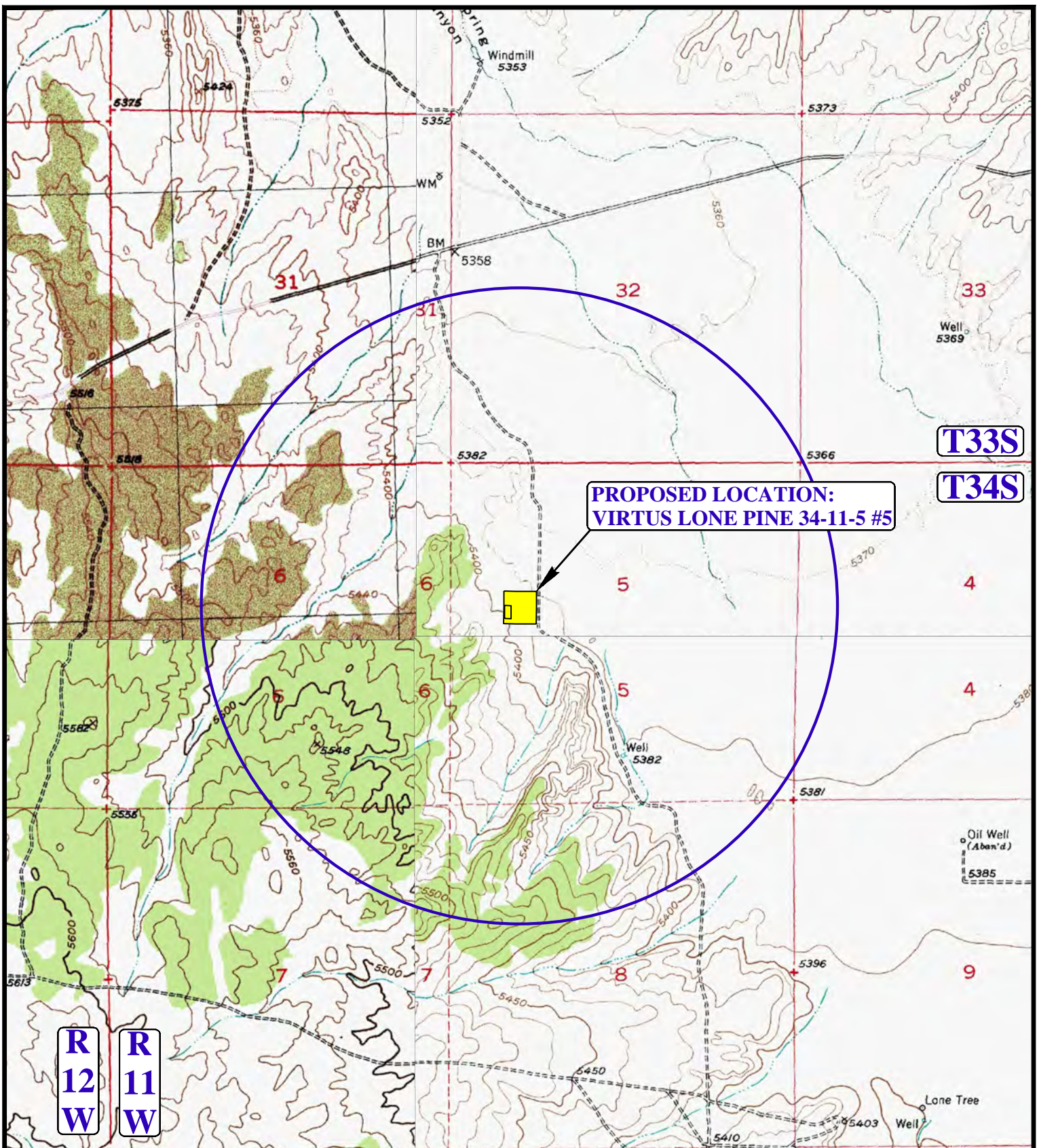
SCALE: 1" = 2000'

REVISED: 06-15-15 J.M.C.

**ACCESS ROAD MAP**

**TOPO B**





# **LEGEND:**

- Ø DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

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**WELL PROXIMITY MAP**

**TOPO C**



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